

ABSTRACT OF THE DISCLOSURE

A radio network comprises a first device (2) with a transmitter (3), whereby a second device (4) is to be protected from electromagnetic radiation of the transmitter (3) and at least one of the devices (2, 4) is mobile. One of the devices (2, 4) has a wireless interrogation system (6) that interacts with a reflecting device (5) of the other device (4, 2), and one of the devices (2, 4) can be switched according to the distance from the other device, this distance being detected by means of the interrogation system (6) and the reflecting device (5), between a normal operating mode (N2, N4) and a special operating mode (S2, S4) provided for comparatively short distances. The operating mode of the device comprising the transmitter (3) is variable. Optionally, the transmitter (3) can have a transmit power that is dependent on the operating mode.